

John Foglesong
Engineering Note

Date: 09/17/01

Rev Date:

Project:

Doc. No: 20010917

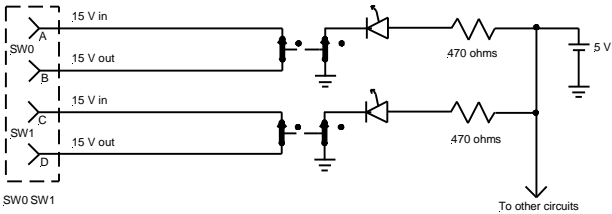
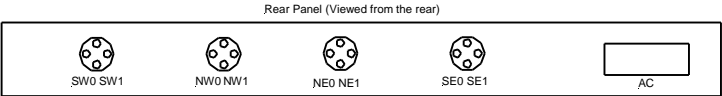
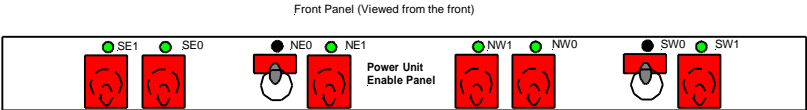
Subject: Silicon Power Unit Enable/Disable Control

A method is needed to remotely reset each individual power unit after a crowbar condition has occurred (Zero volts output on one of the 10 supplies in the power unit after all trips have been cleared). A toggle switch placed in the main control area will accomplish this by opening the enable circuit to the solid state relay that supplies AC voltage to the power unit. If the problem that caused the initial crowbar no longer exists, then cycling the toggle switch will allow all ten of the power supplies in the power unit to return to their normal voltages. Please see attached sheet.

The following things need to be done to remotely enable and disable the power units:

- 1) Pull four two pair cables from PW06 on the platform to a switch panel in main SMT control area.
- 2) Modify enable interface chassis in PW06 (open the enable lines and wire to new connector).
- 3) Build new chassis to house the new remote switches.
- 4) Test new chassis for proper operation.

FERMILAB ENGINEERING NOTE	SECTION	PROJECT	SERIAL-CATEGORY	PAGE
SUBJECT Power Enable/Disable Panel			NAME John Foglesong	
			DATE 09/17/01	REVISION DATE



Two of Eight Circuits Shown

